



Enzyme Inhibitors: Potential Therapeutic Approaches

Guest Editor:

Dr. Phaedra Eleftheriou

Department of Biomedical
Sciences, School of Health
Sciences, International Hellenic
University, 57400 Thessaloniki,
Greece

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Message from the Guest Editor

Enzymes are involved in all biochemical processes; thus, they constitute the second greatest drug target after receptors. The dysregulation of enzyme activity has been related to several pathologic disorders. Apart from specific cases which demand enzyme administration to counteract the lack or reduced action of an enzyme, small molecules that moderate enzyme activity are broadly used. However, the enhancement of enzyme expression or activity is the aim in only certain cases, while enzyme inhibition is the most common drug target. Inhibitors of human enzymes are used to fight many common disorders, such as inflammation, hypertension and hypercholesterolemia, and are one of the medications for the treatment of diabetes. Moreover, most antiviral, antibacterial and antifungal agents also act as enzyme inhibitors.

This Special Issue aims to gather research and review articles on enzymes and enzyme inhibitors with pharmaceutical interest, covering a hot and developing area of medical research.





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Departamento de Química e Bioquímica (DQB) e Centro de Química e Bioquímica (CQB), Faculdade de Ciências, Universidade de Lisboa (FCUL), Rua Ernesto de Vasconcelos, Campo Grande, Edifício C8, 5º Piso, 1749-016 Lisboa, Portugal

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MDPI, St. Alban-Anlage 66
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